

FIG. 1

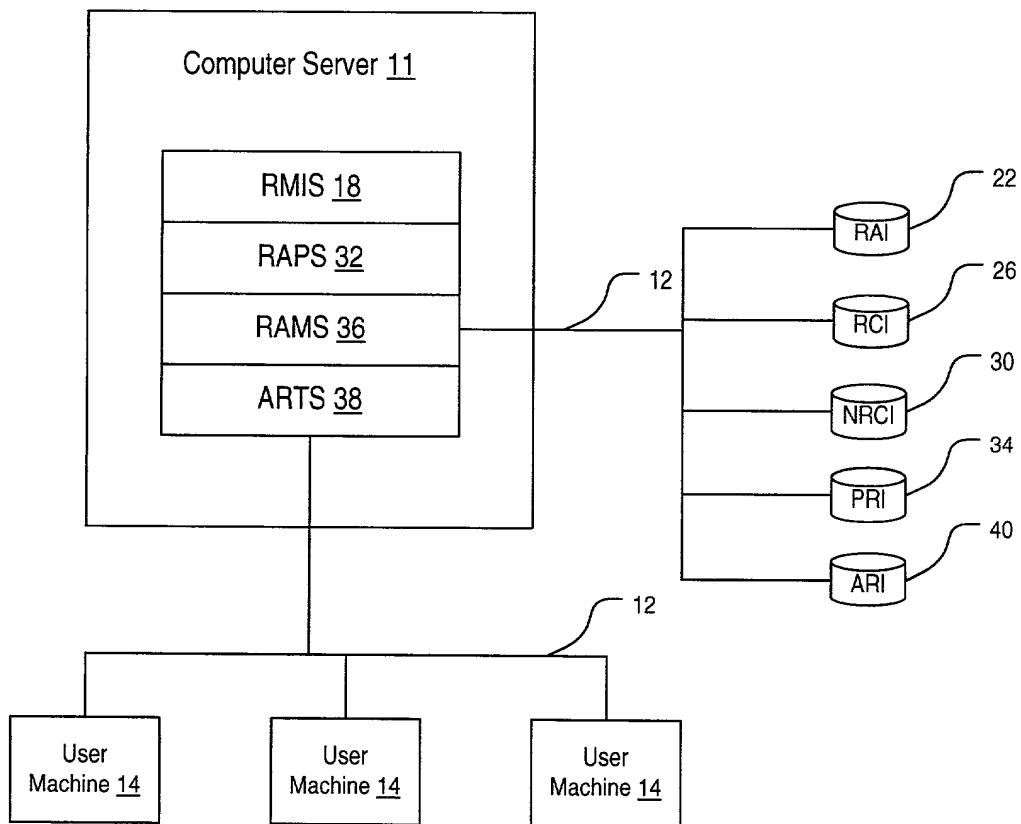


FIG. 2

100

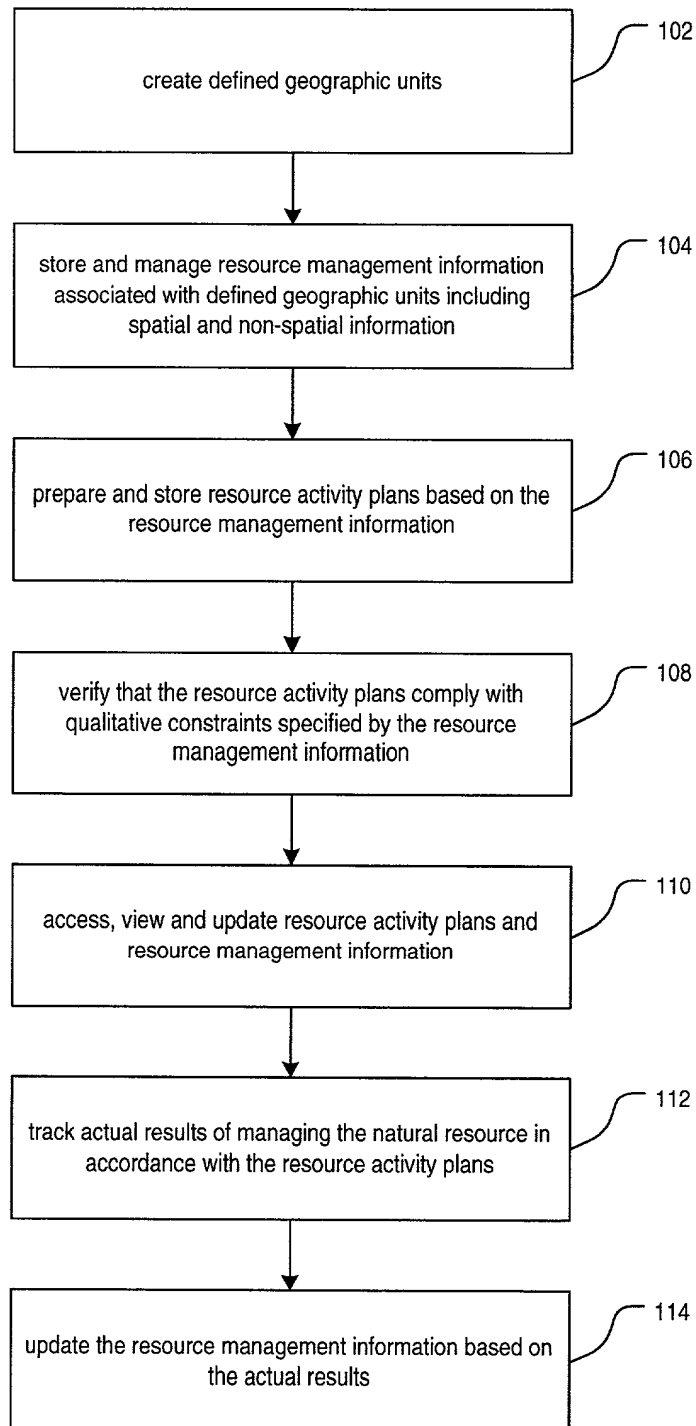


FIG. 3

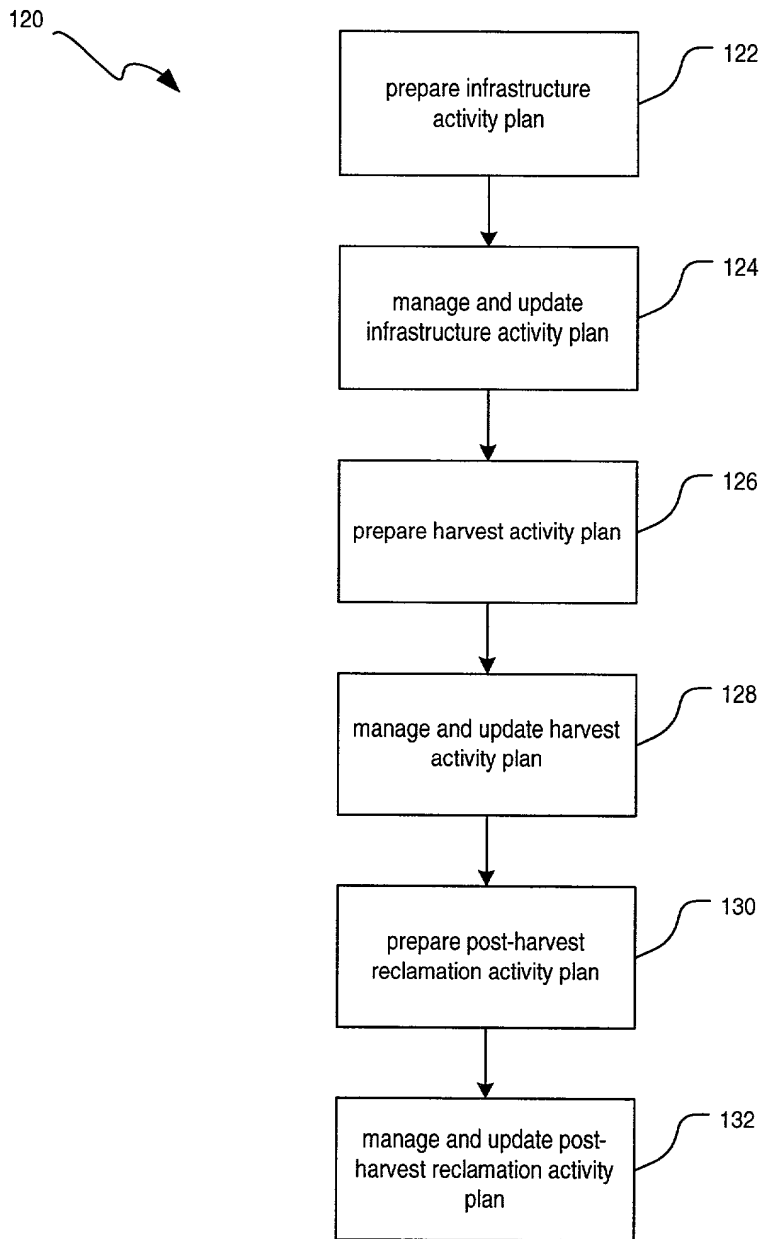


FIG. 4

140

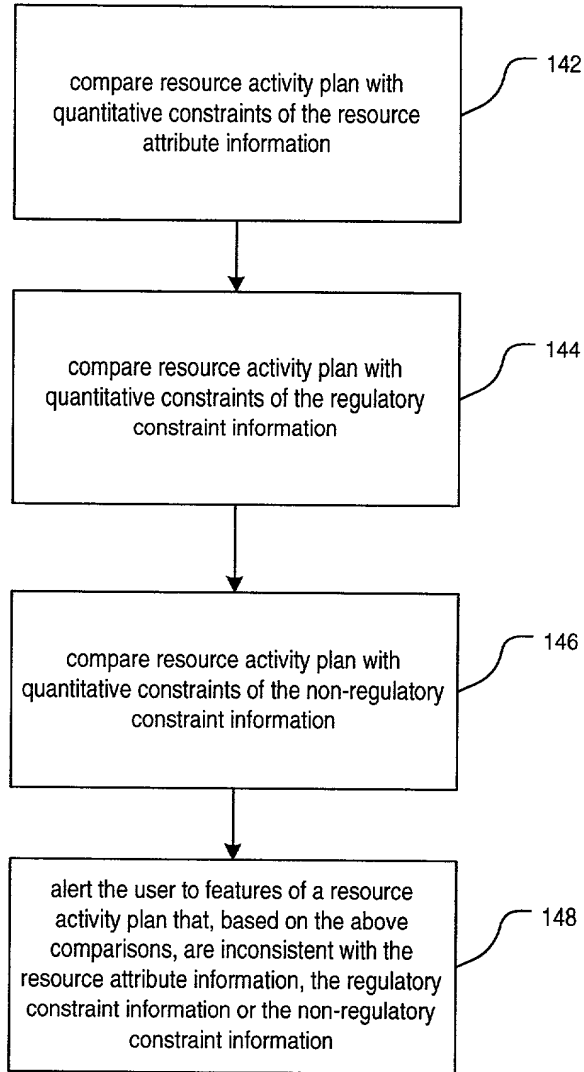


FIG. 5

FIG. 6 is a flowchart illustrating a process for selecting and preparing an infrastructure activity plan. The process begins with a step 152, "select and prepare infrastructure activity plan". This leads to a decision diamond 154, "construction plan?". If the answer is "yes", the process proceeds to step 156, "record non-spatial information for infrastructure element", then step 158, "record allocated human and equipment resources including budgeted costs and contractors (if any), and planned date(s) for construction", then step 160, "capture spatial information associated with infrastructure element", and finally step 162, "associate non-spatial information with spatial information for infrastructure element inspection plan?". If the answer to 154 is "no", the process proceeds to decision diamond 164, "inspection plan?". If the answer to 164 is "yes", the process proceeds to step 166, "record type of inspection for infrastructure element and allocated human and equipment resources", then step 168, "record location of planned inspection and planned date(s) for inspection maintenance plan?". If the answer to 164 is "no", the process proceeds to decision diamond 170, "maintenance plan?". If the answer to 170 is "yes", the process proceeds to step 172, "record type of maintenance for infrastructure element and allocated human and equipment resources", then step 174, "record location of and planned date(s) for planned maintenance". If the answer to 170 is "no", the process proceeds to decision diamond 176, "deactivation plan?". If the answer to 176 is "yes", the process proceeds to step 178, "record type of deactivation for infrastructure element and allocated human and equipment resources", then step 180, "record location of and planned date(s) for planned maintenance", then step 182, "record planned type of access for infrastructure element following deactivation", and finally step 184, "store and manage infrastructure activity plan". If the answer to 176 is "no", the process proceeds directly to the "end" block. All paths for "yes" answers eventually lead to step 184, "store and manage infrastructure activity plan", which then leads to the "end" block.

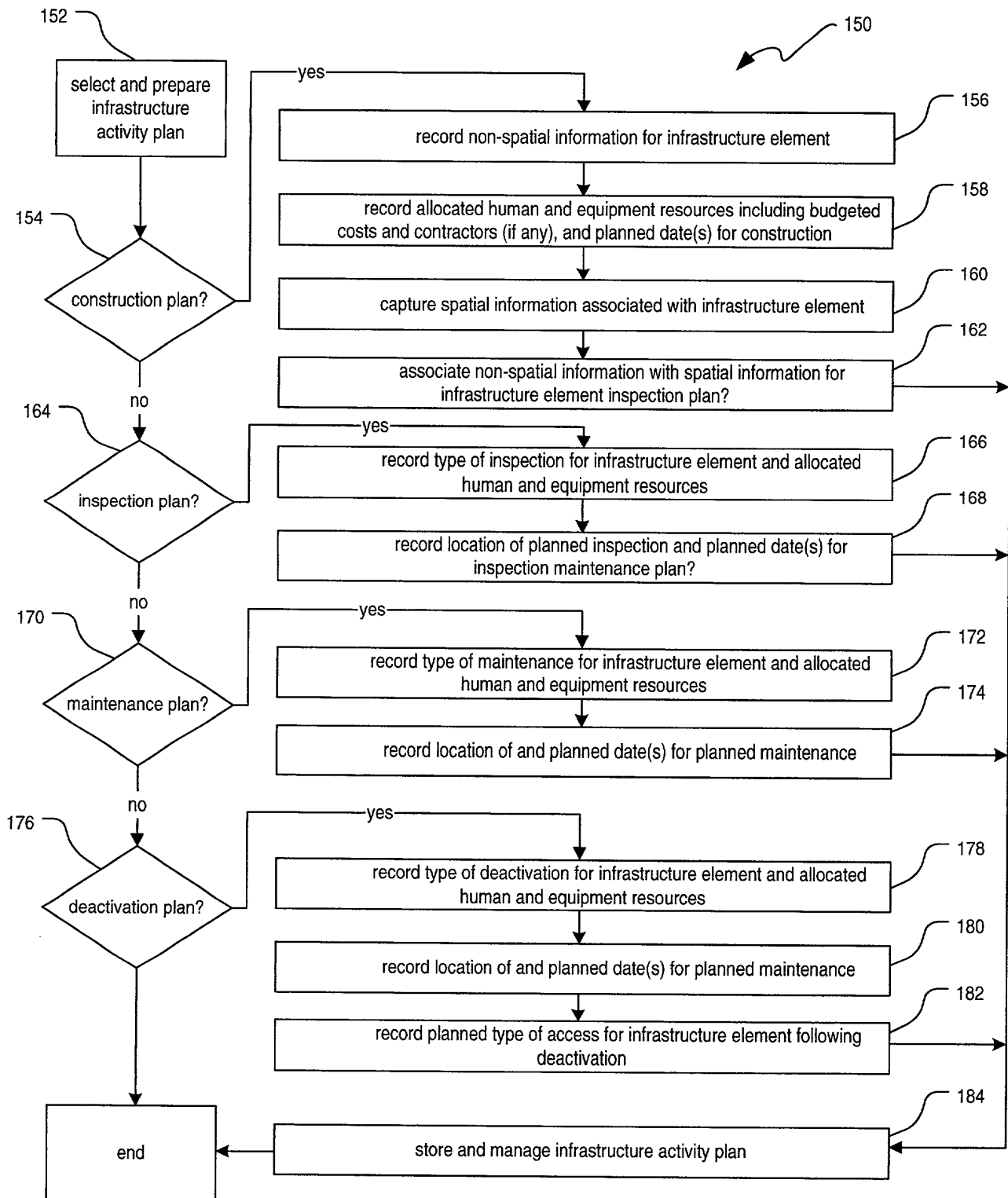


FIG. 6

190

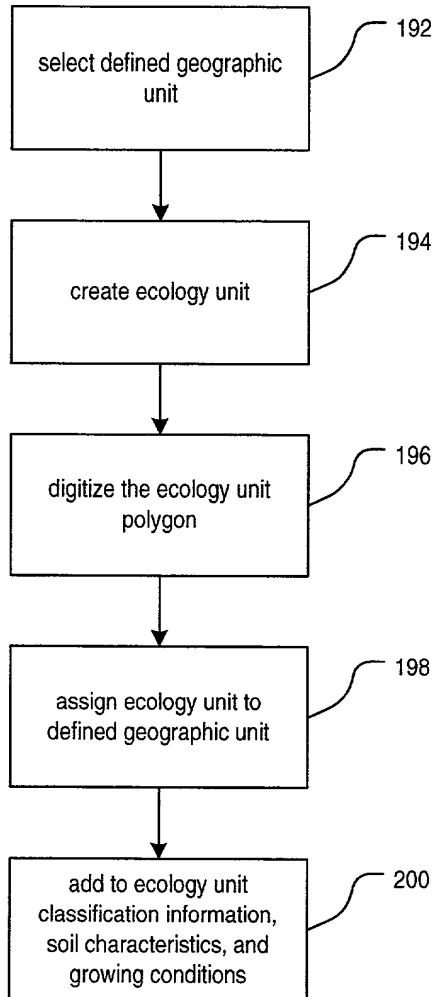


FIG. 7

210

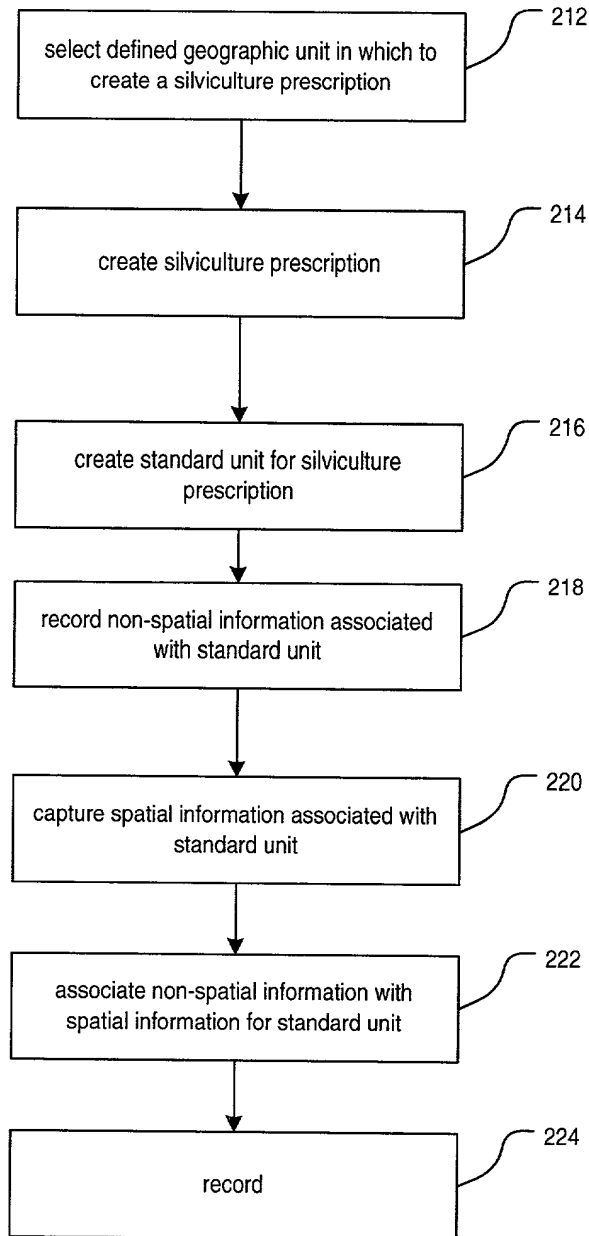


FIG. 8

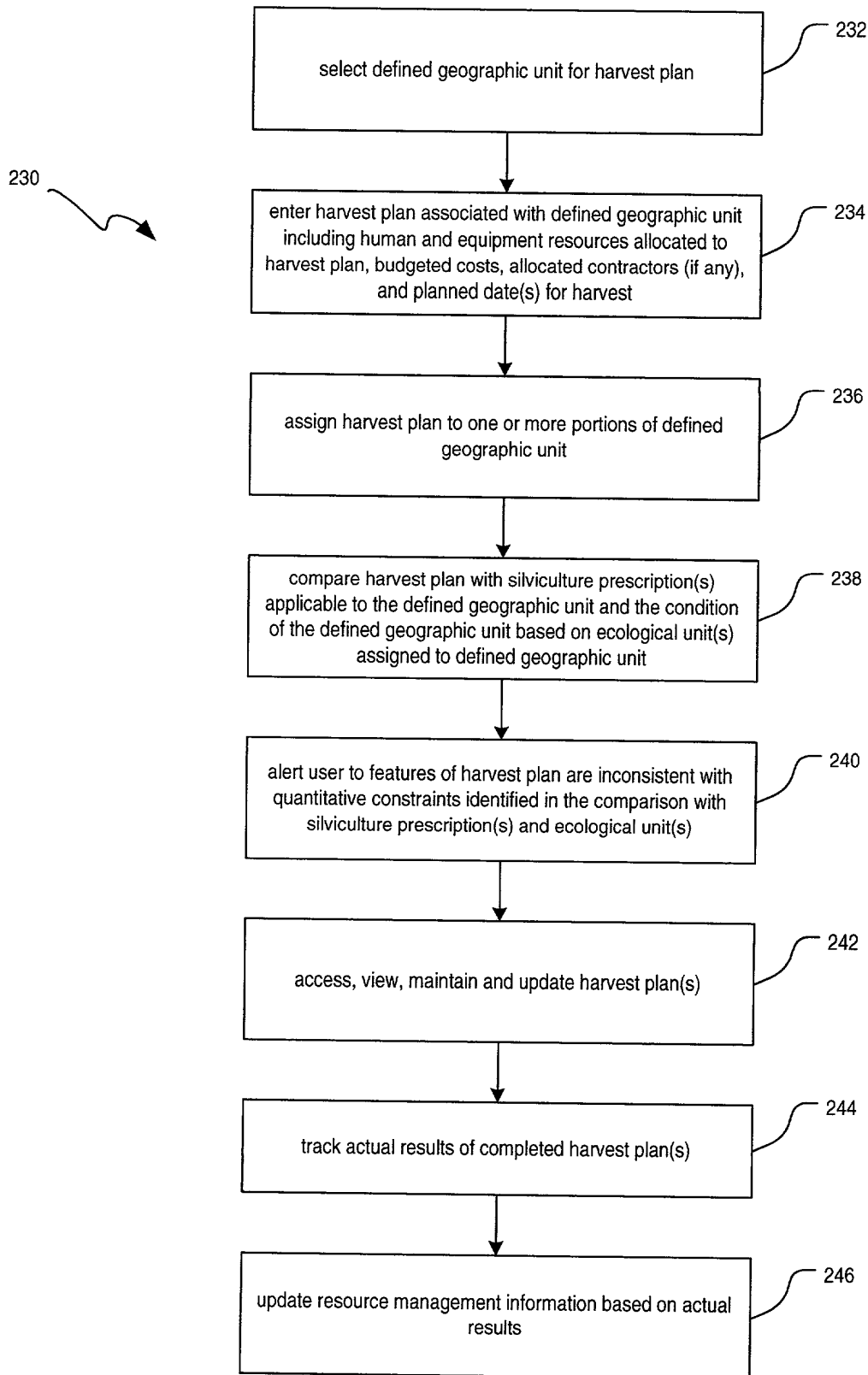


FIG. 9

